

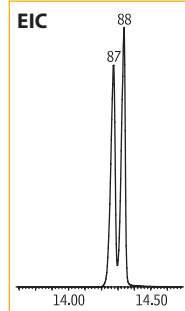
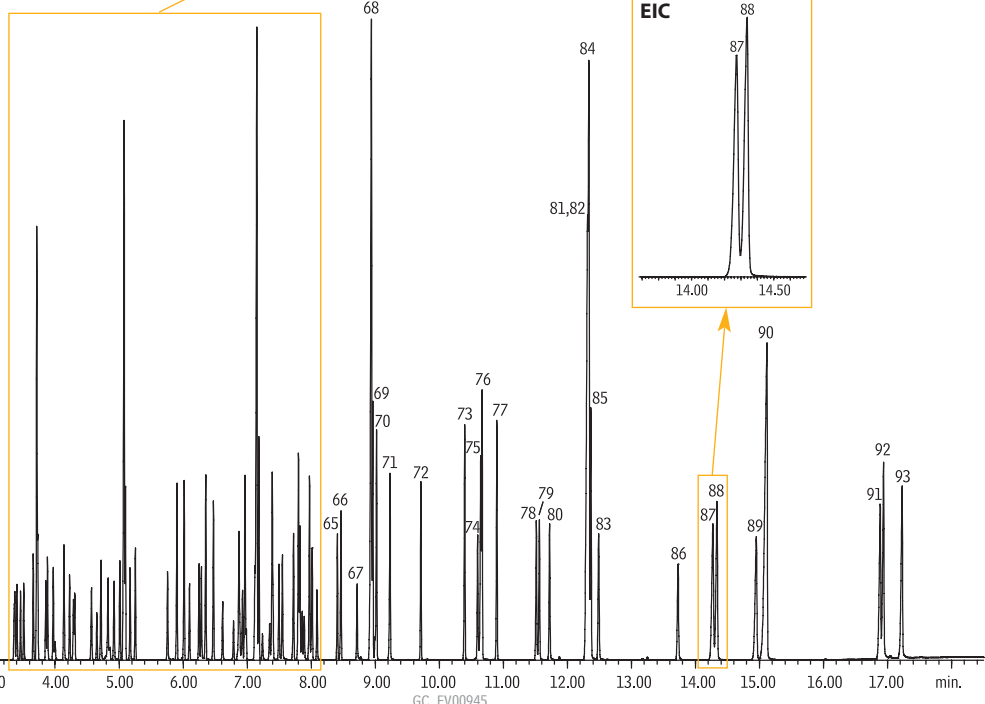
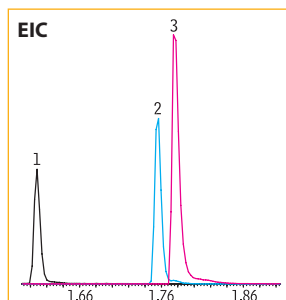
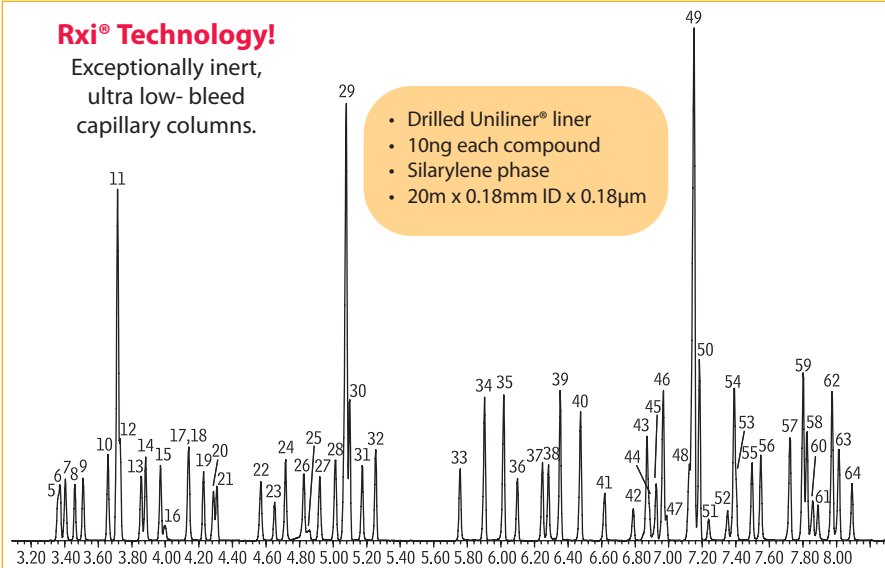
**Semivolatile Organics**  
**US EPA Method 8270**  
**Rxi®-5Sil MS**

Column: Rxi®-5Sil MS, 20m, 0.18mm ID, 0.18µm (cat.# 43602)  
Sample: US EPA Method 8270D Mix, 1µL of 10µg/mL (IS 40µg/mL) 8270 MegaMix® (cat.# 31850) Benzoic Acid (cat.# 31879) 8270 Benzidines Mix (cat.# 31852) Acid Surrogate Mix (4/89 SOW) (cat.# 31025) Revised B/N Surrogate Mix (cat.# 31887) 1,4-Dioxane (cat.# 31853) SV Internal Standard Mix (cat.# 31206)  
Inj.: 1.0µL (10ng on-column concentration), 4mm Drilled Uniliner® (hole near bottom) inlet liner (cat.# 20756), pulsed splitless: pulse 30psi @ 0.2 min., 60mL/min. @ 0.15 min.  
Inj. temp.: 250°C  
Carrier gas: helium, constant flow  
Flow rate: 1.0mL/min.  
Oven temp.: 50°C (hold 0.5 min.) to 260°C @ 20°C/min. to 280°C @ 5°C/min. to 330°C @ 20°C/min. (hold 1.0 min.)  
Det.: MS  
Transfer line temp: 280°C  
Scan range: 35-550amu  
Ionization: EI  
Mode: scan

**Rxi® Technology!**

Exceptionally inert,  
ultra low- bleed  
capillary columns.

- Drilled Uniliner® liner
- 10ng each compound
- Silarylene phase
- 20m x 0.18mm ID x 0.18µm



- |                                   |   |                               |  |                                   |                            |
|-----------------------------------|---|-------------------------------|--|-----------------------------------|----------------------------|
| 1. 1,4-dioxane                    | 18. <i>n</i> -nitroso-di- <i>n</i> -propylamine | 36. hexachlorocyclopentadiene | 54. 2,4-dinitrotoluene                             | 70. anthracene                    | 88. benzo(k)fluoranthene   |
| 2. <i>n</i> -nitrosodimethylamine | 19. hexachloroethane                            | 37. 2,4,6-trichlorophenol     | 55. 2,3,5,6-tetrachlorophenol                      | 71. carbazole                     | 89. benzo(a)pyrene         |
| 3. pyridine                       | 20. nitrobenzene-d5 (SS)                        | 38. 2,4,5-trichlorophenol     | 56. 2,3,4,6-tetrachlorophenol                      | 72. di- <i>n</i> -butyl phthalate | 90. perylene-d12 (IS)      |
| 4. 2-fluorophenol (SS)            | 21. nitrobenzene                                | 39. 2-fluorobiphenyl (SS)     | 57. diethyl phthalate                              | 73. fluoranthene                  | 91. indeno(1,2,3-cd)pyrene |
| 5. phenol-d6 (SS)                 | 22. isophorone                                  | 40. 2-chloronaphthalene       | 58. fluorene                                       | 74. benzidine                     | 92. dibenzo(a,h)anthracene |
| 6. phenol                         | 23. 2-nitrophenol                               | 41. 2-nitroaniline            | 59. 4-chlorophenyl phenyl ether                    | 75. pyrene-d10 (SS)               | 93. benzo(ghi)perylene     |
| 7. aniline                        | 24. 2,4-dimethylphenol                          | 42. 1,4-dinitrobenzene        | 60. 4-nitroaniline                                 | 76. pyrene                        |                            |
| 8. bis(2-chloroethyl) ether       | 25. bis(2-chloroethoxy)methane                  | 43. dimethyl phthalate        | 61. 4,6-dinitro-2-methylphenol                     | 77. <i>p</i> -terphenyl-d14 (SS)  |                            |
| 9. 2-chlorophenol                 | 26. benzoic acid                                | 44. 1,3-dinitrobenzene        | 62. <i>n</i> -nitrosodiphenylamine (diphenylamine) | 78. 3,3'-dimethylbenzidine        |                            |
| 10. 1,3-dichlorobenzene           | 27. 2,4-dichlorophenol                          | 45. 2,6-dinitrotoluene        | 63. 1,2-diphenylhydrazine (as azobenzene)          | 79. butyl benzyl phthalate        |                            |
| 11. 1,4-dichlorobenzene-d4 (IS)   | 28. 1,2,4-trichlorobenzene                      | 46. 1,2-dinitrobenzene        | 64. 2,4,6-tribromophenol (SS)                      | 80. bis(2-ethylhexyl) adipate     |                            |
| 12. 1,4-dichlorobenzene           | 29. naphthalene-d8 (IS)                         | 47. acenaphthylene            | 65. 4-bromophenyl phenyl ether                     | 81. benzo(a)anthracene            |                            |
| 13. benzyl alcohol                | 30. naphthalene                                 | 48. 3-nitroaniline            | 66. hexachlorobenzene                              | 82. 3,3'-dichlorobenzidine        |                            |
| 14. 1,2-dichlorobenzene           | 31. 4-chloroaniline                             | 49. acenaphthene-d10 (IS)     | 67. pentachlorophenol                              | 83. chrysene-d12 (IS)             |                            |
| 15. 2-methylphenol                | 32. hexachlorobutadiene                         | 50. acenaphthene              | 68. phenanthrene-d10 (IS)                          | 84. chrysene                      |                            |
| 16. bis(2-chloroisopropyl) ether  | 33. 4-chloro-3-methylphenol                     | 51. 2,4-dinitrophenol         | 69. phenanthrene                                   | 85. bis(2-ethylhexyl) phthalate   |                            |
| 17. 4-methylphenol/3-methylphenol | 34. 2-methylnaphthalene                         | 52. 4-nitrophenol             |  | 86. di- <i>n</i> -octyl phthalate |                            |
|                                   | 35. 1-methylnaphthalene                         | 53. dibenzofuran              |  | 87. benzo(b)fluoranthene          |                            |

